

ExxonMobil LDPE LD 117.85 Low Density Polyethylene Resin

Category : Polymer , Thermoplastic , Polyethylene (PE) , LDPE

Material Notes:

Product Description: LD 117.85 is a homopolymer film resin with good clarity and excellent stiffness. Film made from LD 117.85 resin can be used in overwrap applications and in push-through type packaging equipment. With narrow die gap, film produced from LD 117.85 resin can be drawn down to 1.0 mil gauge.
Availability: Latin America, North America and South America
Additive: Antiblock: 1000 ppm
Slip: 250 ppm
Thermal Stabilizer: Yes
Applications: Bread Bags Co-Extrusion Films Collation Shrink Diaper Backsheet Foams High Performance Collation Shrink Hygiene Packaging Label Film Lamination Film Overwrap Film Paper Overwrap
 Information provided by ExxonMobil

Order this product through the following link:

http://www.lookpolymers.com/polymer_ExxonMobil-LDPE-LD-11785-Low-Density-Polyethylene-Resin.php

Physical Properties	Metric	English	Comments
Density	0.929 g/cc	0.0336 lb/in ³	ExxonMobil method
Melt Flow	1.6 g/10 min @Load 2.16 kg, Temperature 190 °C	1.6 g/10 min @Load 4.76 lb, Temperature 374 °F	ASTM D1238
Antiblock Level	1000 ppm	1000 ppm	
Slip Level	250 ppm	250 ppm	

Mechanical Properties	Metric	English	Comments
Film Tensile Strength at Yield, MD	13.8 MPa	2000 psi	ASTM D882
Film Tensile Strength at Yield, TD	15.9 MPa	2300 psi	ASTM D882
Film Elongation at Break, MD	160 %	160 %	ASTM D882
Film Elongation at Break, TD	500 %	500 %	ASTM D882
Puncture Energy	0.339 J	0.250 ft-lb	ExxonMobil Method
Elmendorf Tear Strength MD	180 g	180 g	ASTM D1922
Elmendorf Tear Strength TD	240 g	240 g	ASTM D1922
Dart Drop Test	80.0 g	0.176 lb	ASTM D1709A
Film Tensile Strength at Break, MD	24.8 MPa	3600 psi	ASTM D882
Film Tensile Strength at Break, TD	17.9 MPa	2600 psi	ASTM D882
1% Secant Modulus, MD	317 MPa	46000 psi	ASTM D882
1% Secant Modulus, TD	379 MPa	55000 psi	ASTM D882

Thermal Properties	Metric	English	Comments
Melting Point	<= 241 °C	<= 466 °F	Peak Melting Point; ExxonMobil method

Optical Properties	Metric	English	Comments
Haze	7.2 %	7.2 %	ASTM D1003
Gloss	68 %	68 %	45°; ASTM D2457

Descriptive Properties	Value	Comments
Puncture Force	7 lbf	ExxonMobil Method

Contact Songhan Plastic Technology Co.,Ltd.

Website : www.lookpolymers.com

Email : sales@lookpolymers.com

Tel : +86 021-51131842

Mobile : +86 13061808058

Skype : lookpolymers

Address : United North Road 215,Fengxian District, Shanghai City,China